



Repeater: NØDX 145.190 MHz (Input 144.590 / Tone 192.8 Hz)



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## The Eastern Iowa DX Bulletin

Number 234, August 9, 2024

**Craig Fastenow, KØCF, Editor**

This bulletin is a compilation of **currently active** DX operations (or those that will become active within the current week) from recent issues of the three DX bulletins listed below and other sources. Credit for the source is given at the end of each article.

Articles are ordered by the entity's callsign prefix from the *ARRL DXCC Entities List*. Callsigns used are in **bold** with dates of operation highlighted in **red**. Clickable links are provided for QSL and other information wherever possible. Note that articles may be edited for grammar, language, style and accuracy and will remain in *The Bulletin* while active; articles that are announcements of ongoing operations, or that have no specified end date, will be removed after three weeks.

Also included is a [Propagation](#) section, updated daily; and a [Contest Calendar](#) of upcoming popular contests.

DX News items are courtesy of:

The ARRL DX Bulletin

The bulletin is available at <http://www.arrl.org>

425 DX News, A.R.I. DX Bulletin (425DXN)

Edited by Mauro Pregliasco, I1JQJ & Valeria Pregliasco, IK1ADH

425 DX News Home Page: <https://www.425dxn.org/>

425 DX News Google Group: <https://groups.google.com/g/425eng>

DX Newsletter (DXNL)

Edited by Andreas Salder, DK5ON

A weekly service of DARC Committee "DX", <http://www.darcdxhf.de>

Ohio-Penn DX Bulletin (OPDX)

Edited by Tedd Mirgliotta, KB8NW. Although OPDX is no longer published as a weekly bulletin, Tedd still sends DX news emails.

We will occasionally publish some of them.

Propagation data is from:

National Oceanic and Atmospheric Administration's

[Space Weather Prediction Center](#)

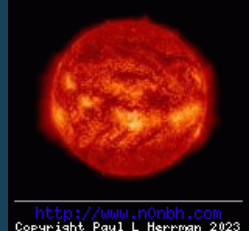
Dr. Tony Phillips' [SpaceWeather.com](http://www.SpaceWeather.com), used by permission

Contest data courtesy of the [WA7BNM Contest Calendar](#)



### Solar-Terrestrial Data

18 Aug 2024 1707 GMT  
 SFI: 306 SN: 180  
 A-Index: 2  
 K-Index: 2  
 X-Ray: C5.6  
 304A: 183.4 @ SEM  
 Ptn Flx: 188  
 Elc Flx: 2720  
 Aurora: 2/n=1.99  
 Mag (Bz): 4.2  
 Solar Wind: 410.0  
 Geomag Field QUIET  
 Sig Noise Lvl S1-S2  
 Current Solar Image



<http://www.norbh.com>  
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## DX News

**3W, VIET NAM.** Greg, XV9BPO is QRV with his new **XV9Q** call sign from Grid Square OK30 to **until August 11th**. Activity to date has been on 20 and 15 meters using SSB with some CW. QSL to **XV9Q**.  
 -[ARRL DX Bulletin # 29 August 8, 2024] (0809-0816)

**5H, TANZANIA.** Uli, DO4UB, is active as **5H2MUA** from Tanzania, and can be heard from time to time, mostly on 10m and 15m, sometimes 20m and 80m. His QTH is near the city of Arusha, between

Serengeti and Mount Kilimanjaro. He plans to post pictures on QRZ.com. QSL via [DO4UB](#).  
-[OPDX July 25, 2024] (0726-0816)

**5Z, KENYA.** Mark, VK3XB, is currently back on the air as **5Z4XB** from Nairobi. He is in Australia during July, but then returns to Kenya in **August**. QSL via [VK3WIA](#).  
-[DXNL # 2412 June 26, 2024] (0726-0830)

**8Q, MALDIVES.** Gregor, S53RA will be QRV as **8Q7GG** from the islands Fulidho, Maafushi, and Thoddoo, all IOTA AS-013, and possible others, from **August 3rd to 13th**. Activity will be on the HF bands using CW, SSB, and FT8. QSL to [S53RA](#).  
-[ARRL DX Bulletin # 28 August 1, 2024] (0802-0816)

**DL, GERMANY.** Members of DARC's Ortsverband Greifswald (DLØHGW) will be active as **DL25ØCDF** from **August 1st to September 30th**. The special callsign marks the 250th anniversary since the birth of the painter Caspar David Friedrich, an icon of the German Romantic movement. A certificate will be available, see <https://dl0hgw.darc.de/dl250cdf.htm> for information. All QSOs will be confirmed automatically via the bureau, eQSL and LoTW.  
-[425DXN # 1733 July 20, 2024] (0726-0927)

**DXCC TOP TWENTY.** Here are the top 20 entities on ClubLog's "DXCC Most Wanted" list as of August 9, 2024:

1. P5	DPRK (North Korea)	11. ZS8	Prince Edward & Marion Islands
2. BS7H	Scarborough Reef	12. KH4	Midway Island
3. CEØX	San Felix Islands	13. VKØM	Macquarie Island
4. BV9P	Pratas Island	14. PYØS	Saint Peter And Paul Rocks
5. KH7K	Kure Island	15. KP5	Desecheo Island
6. KH3	Johnston Island	16. VPØS	South Sandwich Islands
7. 3Y/P	Peter 1 Island	17. KH5	Palmyra & Jarvis Islands
8. FT5/X	Kerguelen Island	18. ZL9	New Zealand Subantarctic Islands
9. YVØ	Aves Island	19. FK/C	Chesterfield Islands
10. 3Y/B	Bouvet Island	20. VKØH	Heard Island

For the complete list, see <https://clublog.org/mostwanted.php>

-[KØCF August 9, 2024] (0809-0830)

**ES, ESTONIA.** SP7VC and SQ7OYL and will be active as **ES/SP7VC** and **ES/SQ7OYL** during a camper trip from **July 29th to August 16th**. QSL via [SP7VC](#), PayPal, LOTW.  
-[DXNL # 2416 July 24, 2024] (0726-0816)

**ES, ESTONIA.** Celebrating the centenary of amateur radio in Estonia, special event station **ES1924TE** will be active on **August 5th-18th**. Bureau cards can be requested on the event's website: <https://es1924te.erau.ee>, or QSL via LoTW, eQSL and QRZ Logbook;  
-[425DXN # 1736 August 10, 2024] (0809-0823)

**EX, KYRGYZSTAN.** Darek, SP9DLM and his son Gregor, SN9GM will be active as **EX/SP9DLM** and **EX/SN9GM** from Kyrgyzstan on **August 13th-19th**. Gregor is the youngest radio amateur in Poland; he passed the exam last year, when he was 10 years old. QSL via home calls [SP9DLM](#) & [SN9GM](#) (bureau preferred), LoTW, eQSL.  
-[425DXN # 1734 July 27, 2024] (0726-0823)

**F, FRANCE.** For the ninth year in a row, a German team (DJ5KX, DJ8EI, DK5OPA, DL1DCT, DL4MME, DL5KA and DL8KR) will be active as **TMØBSM** from the lighthouse at Berck-sur-Mer on **August 15th-18th**. They will be QRV on the HF bands and the QO-100 satellite. QSL via LoTW (preferred), or direct to [DK5OPA](#).  
-[425DXN # 1736 August 10, 2024] (0809-0823)

**F, FRANCE.** Supported by a Dutch amateur radio team, special event station **TM8ØLM** will be active on **August 15th-18th** to celebrate the 80th anniversary of the liberation of the village of Le Muy during WWII (August 16, 1944). QSL via LoTW and [ClubLog's OQRS](#).  
-[425DXN # 1736 August 10, 2024] (0809-0823)

**F, FRANCE.** Vitaly, F4WBU will be active as **TM2Ø24PG** on **August 12, 19 and 26**, and again from **August 28th to September 8th** during the 17th Summer Paralympic Games. All QSOs will be confirmed

via the bureau.

-[425DXN # 1736 August 10, 2024] (0809-0913)

**F, FRANCE.** Special callsign **TM3TDFF**, operated by Michel (F8GGZ), will be active around the August 3rd Tour de France Femmes from **August 12th to 18th**.

-[DXNL # 2418 August 7, 2024] (0809-0823)

**F, FRANCE.** The Radio Club du Val d'Issole (F8KGH) will be active as **TM8ØDP** from **August 9th to 27th** to commemorate the 80th anniversary of the landing operation ("Debarquement de Provence") of the Allied invasion of Provence during World War II (August 15, 1944). They will operate SSB, CW and digital modes on 80-6 meters, and via QO-100. QSL via the bureau, eQSL, QRZ Logbook.

-[425DXN # 1735 August 3, 2024] (0809-0830)

**F, FRANCE.** Vitaly, F4WBU will operate two special callsigns in support of the 33rd Summer Olympics Games: **TM33SOG** (**July 26th-31st**) and **TM24G** (**August 1st-11th**). All QSOs will be confirmed via the bureau.

-[425DXN # 1734 July 27, 2024] (0726-0816)

**F, FRANCE.** Members of the Association des Radioamateurs de l'Indre will be active as **TM36JO** from **July 29th to August 11th** during the Paris 2024 Olympic Games. QSL via the bureau, or direct to [F5OHM](#).

-[425DXN # 1724 May 18, 2024] (0726-0816)

**F, FRANCE.** Michel, F8GGZ will be active as **TM24JOL** from **July 26th to August 11th**, and as **TM24JPO** from **August 28th to September 8th** for the Paris 2024 Olympic and Paralympic Games, respectively. QSL via [F8GGZ](#).

Several other callsigns are expected to be active during the Summer Olympics, including

**TM1ØØOG** operated by Team TM3P; QSL direct to [F5PYI](#)

**TM17JO** operated by Jean-Claude, F1HOM from Re Island (EU-032);  
QSL via the bureau

**TM2Ø24JO** operated by members of Radio Club d'Esquerdes. QSL via  
[F5KAI](#).

**TM24PRS** operated by F4DTO and F4GFE; QSL via [F4DTO](#)

**TM36JO** operated by members of the Association des radioamateurs  
de l'Indre; QSL via the bureau, or direct to [F5OHM](#)

**TM37JO** operated by F4ENK, F4ERS, F5CWU, F5SQM and F6FYA; QSL via  
F5CWU's OQRS (<https://www.f5cwu.net/oqrs/>)

**TM4ØJO** operated by members of the RadioPole Associatif REF-40  
(F4KLM); QSL via [F6DZU](#) and LoTW

**TM73JO** operated by F6HQP; QSL via the bureau, LoTW, QRZ Logbook

**TM8JOP** operated by Yves, F8LLA, one of the 45,000 volunteers who  
will support the Olympics

-[425DXN # 1733 July 20, 2024] (0726-0906)

**F, FRANCE.** Numerous special event stations will be active around the Olympic Games:

- **TMØØJO** **July 28th to August 11th**, dpt 84 (Vaucluse)
- **TM24JOL** **July 29th to August 11th**, dpt 71 (Saone et Loire), op. Michel F8GGZ
- **TM63JO** **August 8th to 11th**, dpt 63 (Puy de Dome)
- **TM88JO** **August 1st to 6th**, and **August 8th to 11th**, dpt 88 (Vosges),  
op. Franck F4ISZ
- **TM2Ø24JOP** **July 26th to August 9th**
- **TM51OG** and **TM51JO** **July 26th to August 9th**, dpt 51 (Marne)
- **TM67JO** **July 26th to August 11th**, dpt 67 (Bas-Rhin), ops F1LFL, F5PZT,  
F5TFW
- **TM2Ø24OG** **July 26th to August 11th**
- **TK2AJO** and **TK2BJO** **July 26th to August 11th**
- **TM74JO** **August 8th to 11th**, Dpt 74 (Haute-Savoie)
- **TM49GO** **July 27th to August 10th**, Dpt. 49 (Maine et Loire)

- **TM2Ø24JO** July 27th to August 10th, dpt 62 (Pas de Calais)
- **TM36JO** July 29th to August 11th, dpt 36 (Indre)
- [DXNL # 2416 July 24, 2024] (0726-0816)

**F, FRANCE.** In addition to earlier lists, the following special event stations are also active around the Olympic Games:

- \* **TM86JO**, August 5th-11th, Dept. 86 (Vienne)
- \* **TM2Ø24JPP**, August 10th-11th, August, Dept. 62 (Pas de Calais)
- \* **TM5FO**, August 26th, Dept. 80 (Somme)
- \* **TM51JP**, August 28th-Sept. 8th, Dept. 51 (Marne)
- \* **TM4ØIPC**, August 28th-Sept. 8th, Dept. 40 (Landes)
- \* **TM24JPO**, August 28th-Sept. 8th, Dept. 71 (Saone et Loire)
- [DXNL # 2417 July 31, 2024] (0802-0906)

**F, FRANCE.** During the Paris 2024 Olympic Torch Relay and the actual Olympic Games, look for **TM67OG** to be active for fifteen days from June 25th to July 27th, and **TM67JO** to be active for another fifteen days from July 26th until August 11th. The operators will be F1LFL (SSB), F5PZT (FT8 and FT4) and F5TFW (CW). QSL via [F1LFL](#).

-[425DXN # 1728 June 15, 2024] (0621-0816)

**FO, FRENCH POLYNESIA.** Yann, F1SMB will be active again as **FO/F1SMB** from French Polynesia from August 15th to September 15th. His main QTH will be Tahiti (OC-046), with a side trip to Fakarava (OC-066). Usually, he operates FT8 and SSB 40-10 meters. QSL via [F1SMB](#), LoTW, eQSL.

-[425DXN # 1736 August 10, 2024] (0809-0920)

**FP, ST. PIERRE & MIQUELON.** Team **TO8FP** (VA2AN, VA2MM, VA2XZA, VE2DDZ, VE2GCE and VE2YNI) will be active from Miquelon (NA-032) on August 10th-22nd. They will operate CW, SSB and digital modes on 80-6 meters and via satellite. QSL via [ClubLog's OQRS](#), or via [DJ4MX](#).

-[425DXN # 1733 July 20, 2024] (0809-0823)

**FY, FRENCH GUIANA.** Thierry, FY4JI is QRV with special call sign **TO973FY** until August 10th to celebrate the 2024 Summer Olympic Games. Activity is on the HF bands using SSB and FT8. QSL via [EA5GL](#).

-[ARRL DX Bulletin # 27 July 25, 2024] (0726-0816)

**GM, SCOTLAND.** Members of the Unicom Radio Club are QRV with special event call sign **GB1URC** until September 4th to mark the official introduction of the club to the amateur radio community. Activity is on the HF bands. QSL direct to [GB1URC](#).

-[ARRL DX Bulletin # 29 August 8, 2024] (0809-0906)

**HKØ, SAN ANDRES & PROVIDENCIA.** Frank, **HKØRMR** has been active on 15 meters using FT8 around 0300z. QSL via LoTW.

-[ARRL DX Bulletin # 28 August 1, 2024] (0802-0823)

**HL, SOUTH KOREA.** Oh, 6K2CFI and Ji, DS1TUW will be active as **D93H** from Taehuksan Island (AS-093) on August 15th to 17th. They will operate SSB, CW and FT8 on the HF bands and 6 meters (WWL PM24rq). ClubLog's Live Stream will be enabled: <https://clublog.org/livestream/D93H>. QSL via [ClubLog's OQRS](#), or direct to [DS1TUW](#).

-[425DXN # 1735 August 3, 2024] (0809-0823)

**I, ITALY.** Celebrating Pesaro Capitale Italiana della Cultura (Italian Capital of Culture) 2024, members of ARI Pesaro and ARI Fano will be active as **I16CIC** from June 1st to August 29th. QSL via [I16CIC](#).

-[425DXN # 1725 May 25, 2024] (0531-0830)

**J6, ST. LUCIA.** Seth, N4XTT will be QRV as **J6/N4XTT** from August 10th to 17th. Activity will be holiday style on 40 to 10 meters using CW, SSB, FT8, and FT4. He also plans to activate POTA LC-0001 during this time. QSL to [N4XTT](#).

-[ARRL DX Bulletin # 29 August 8, 2024] (0809-0816)



**JD1/O, OGASAWARA.** Den, JI1FLB will be QRV as **JI1FLB/JD1** from Chichijima, IOTA AS-031, from **August 10th to 13th**. Activity will be in his spare time on 160 to 10 meters using CW and FT8 with QRP power. QSL via LoTW.

-[ARRL DX Bulletin # 29 August 8, 2024] (0809-0816)

**K, UNITED STATES.** Howie, **K1VSJ**, has been operating from Martha's Vineyard (NA-046) since July 27th and will continue to do so **until September 4th**. QSL via [K1VSJ](#).

-[DXNL # 2418 August 7, 2024] (0809-0906)

**KH5, PALMYRA & JARVIS IS.** A group of operators are QRV as **N5J** from Jarvis Island, IOTA OC-081, **until August 19th**. Activity is on 160 to 6 meters using CW, SSB, and FT8. QSL via [ClubLog's OQRS](#).

-[ARRL DX Bulletin # 29 August 8, 2024] (0809-0823)

**LY, LITHUANIA.** Special callsigns **LY35BW** and **LY35A** will be active **until August 31st** to celebrate the 35th anniversary of the Baltic Way. On August 23, 1989, hundreds of thousands of people formed a human chain spanning across Estonia, Latvia and Lithuania, demanding the reestablishment of the independence of the Baltic States. A special award will be available, see <https://www.grz.com/db/LY35BW> for the details.

-[425DXN # 1735 August 3, 2024] (0802-0830)

**OE, AUSTRIA.** Special event station **OE24WOID** is at a scout camp in Austria. QRV from **August 5th to 15th**. QSL via bureau.

-[DXNL # 2418 August 7, 2024] (0809-0816)

**OE, AUSTRIA.** Celebrating the 60th anniversary of the Rhein Ruhr DX Association (<https://rrdxa.org/>), Tom, OE4EIE is active as **OE4RRDXA** from **July 1st to September 30th**. QSOs will be uploaded to LoTW and ClubLog; paper QSL cards will not be available.

-[425DXN # 1731 July 6, 2024] (0705-0927)

**OE, AUSTRIA.** Special callsign **OE7ØVIE** marks the 70th anniversary of Vienna International Airport (IATA code VIE) from **June 21st to September 30th**. QSL via [ClubLog's OQRS](#) (preferred), LoTW in due course, or via [OE6VIE](#).

-[425DXN # 1729 June 22, 2024] (0621-0927)

**OH, FINLAND.** SP7VC and SQ7OYL and will be active as **OH/SP7VC** and **OH/SQ7OYL** during a camper trip from **July 29th to August 16th**. QSL via [SP7VC](#), PayPal, LoTW.

-[DXNL # 2416 July 24, 2024] (0726-0816)

**OHØ, ALAND IS.** OH2BH, OH2GEK, OH2MM and OH2TA will be active as **OHØAM** from the Aland Islands on **August 10th-11th**. They will operate CW, SSB and FT8 (also SuperFox) with two stations. This activity celebrates the 60th anniversary of the OH-DX-Ring (OH2AM), founded on August 15, 1964, by a bunch of young Finns who "soon captured tens of CQWW World Records in multi and single categories and activated new & rare DXCC entities in all corners of the world". Each of "your band/mode QSOs with OHØAM will bring you one lottery ticket. Just send a note of your QSOs to [oh2am60@gmail.com](mailto:oh2am60@gmail.com) to participate in the lottery". The prizes are 10 copies of "Atlas of QSL Cards": authored by Laura Piipar, daughter of the late OH2BBR (one of the OH2AM founders), the book "will take radio amateur and non-amateur readers alike on a fascinating journey through the world of DX, guided by her dad's valuable QSL card collection". QSL via [OH2TA](#).

-[425DXN # 1736 August 10, 2024] (0809-0816)

**OHØ, ALAND IS.** OH2JIU, OH2MZB, OH5BM, OH5CW, OH5CY and OH5CZ will be active as **ØGØC** from the Aland Islands (EU-002) on **August 11th-18th**. Operating from grid square KO09, they will be QRV from 160m to 70cm CW, SSB, FT8/FT4 and RTTY with several stations. QSL via [OH5CW](#) and LoTW.

-[425DXN # 1736 August 10, 2024] (0809-0823)

**OM, SLOVAK REPUBLIC.** Special station **OM8ØSNP** will be active on **August 1st-31st** commemorating the 80th anniversary of the Slovak National Uprising (Slovenske Narodne Povstanie)

during World War II. QSL via [ClubLog's OQRS](#), LoTW, or via [OM2FY](#).  
-[425DXN # 1734 July 27, 2024] (0726-0830)

**OX, GREENLAND.** Emil, DL8JJ will be active again as **OX/DL8JJ** from Greenland from **July 26th to August 15th**. In his spare time, he will operate CW (10 watts, battery powered) from the base camp at Tasilaq (NA-151), and from various locations on the main island (NA-018). QSL via [DL8JJ](#) or LoTW.  
-[425DXN # 1733 July 20, 2024] (0726-0816)

**OZ, DENMARK.** The following special event callsigns celebrate the 60th anniversary of IOTA **until the end of August**:

**OZ6ØIOTA** (mainland),  
**5P6ØIOTA/Ø** (EU-030),  
**5P6ØIOTA/1** (EU-171),  
**5P6ØIOTA/2** (EU-172),  
**5P6ØIOTA/5** (EU-125),  
**5P6ØIOTA/8** (EU-088),  
**5P6ØIOTA/9** (EU-029).

For a schedule of activities see: <https://www.supersaas.dk/schedule/EDR/OZ60IOTA>. A number of certificates will be available, see <https://www.qrz.com/db/OZ60IOTA> for complete information. QSL via [ClubLog's OQRS](#) (preferred), LoTW, or via [OZ1ACB](#).  
-[DXNL # 2413 July 3, 2024] (0705-0830)

**PA, NETHERLANDS.** Kolja, DK5KK, remains active from Texel (EU-038) **until August 16th** as **PA/DK5KK**. QSL via [DK5KK](#).  
-[DXNL # 2418 August 7, 2024] (0809-0816)

**SV, GREECE.** Savas, SV2AEL will be active again as **SV2AEL/8** from Ammouliani Island (EU-174, WWL KN10wh) on **August 1st-10th**. He will be QRV on 80-10 meters, plus 6 meters if the propagation permits. QSL via LoTW, [ClubLog's OQRS](#), or direct to [SV2AEL](#).  
-[425DXN # 1734 July 27, 2024] (0726-0816)

**TK, CORSICA.** Frans, DJØTP is QRV as **TK/DJØTP** **until September 4th**. QSL to [DJØTP](#) and LoTW.  
-[ARRL DX Bulletin # 28 August 1, 2024] (0802-0906)

**TU, COTE D'IVOIRE.** Mustafa, TA2YGT is QRV as **TU/TA2YGT** from Abidjan **until September 16th**. Activity is in his spare time mostly on 20 meters using SSB and FT8, and on Satellite QO-100. QSL direct to [TA2YGT](#), LoTW.  
-[ARRL DX Bulletin # 29 August 8, 2024] (0809-0920)

**UA9, ASIATIC RUSSIA.** Mikhail, RA1ALA and Valery, RA9J will be active as **RIØKA** from Ayon Island (AS-038) on **August 13th to 27th**. They will have two transceivers with 1.2 kW and vertical and inverted V antennas for activity on 40-10 meters. QSL via [ClubLog's OQRS](#), or via [RZ3EC](#).  
-[425DXN # 1735 August 3, 2024] (0809-0830)

**UN, KAZAKHSTAN.** Darek, SP9DLM and his son Gregor, SN9GM will be active as **UN/SP9DLM** and **UN/SN9GM** from Kazakhstan from **July 25th to August 12th**. Gregor is the youngest radio amateur in Poland; he passed the exam last year, when he was 10 years old. QSL via home calls [SP9DLM](#) & [SN9GM](#) (bureau preferred), LoTW, eQSL.  
-[425DXN # 1734 July 27, 2024] (0726-0816)

**V4, ST. KITTS & NEVIS.** Gary, GØFWX will be active again as **V47FWX** from St. Kitts (NA-104) from **July 28th to August 24th**. QSL via [MØURX's OQRS](#).  
-[425DXN # 1734 July 27, 2024] (0726-0823)

**VP8, FALKLAND IS.** Gerry, G3WIP, is back on the bands as **VP8DPD** from Port Stanley, running 25W on 17, 15, and 10m on FT8. QRV **until August 12th**. QSL via [G3WIP](#), LoTW, eQSL.  
-[DXNL # 2418 August 7, 2024] (0809-0816)

**XE, MEXICO.** Once again special callsign **4A2MAX** will be activated on **August 1st-31st** in remembrance of St. Maximilian Maria Kolbe. Activity will be on various bands SSB, CW and digital

modes. Born in 1894, Father Kolbe (SP3RN) was killed on August 14, 1941, at Auschwitz. QSOs will be uploaded to LoTW, eQSL, QRZ Logbook and ClubLog. See <https://www.qrz.com/db/4a2max> for more information. QSL via [EA5GL](#).

-[425DXN # 1736 August 10, 2024] (0809-0830)

**YB, INDONESIA.** Special event stations **8H79RI, 8H79I, 8H79N, 8H79D, 8H79O, 8I79N, 8I79E, 8I79S, 8I79I,** and **8I79A** will be QRV from **August 10th to 18th** to celebrate the 79th anniversary of Indonesia's proclamation of independence. Activity is on 80 to 10 meters using CW, SSB, RTTY, and FT8, plus FM on various Satellites. QSL via operators' instructions.

-[ARRL DX Bulletin # 29 August 8, 2024] (0809-0823)

**YJ, VANUATU.** Chris, VK2YUS will be active again as **YJØCA** from Port Vila (OC-035) Vanuatu from **July 30th to August 10th**. He will operate SSB on 40- 10m, mainly between 2100 UTC and 1000 UTC. He does not use LoTW or ClubLog; QSL direct to [VK2YUS](#).

-[425DXN # 1734 July 27, 2024] (0726-0816)

**YN, NICARAGUA.** Rafael, NN3RP, will be active from the cities Granada, Rivas, and Somoto as **YN2RP** from **July 24th to August 20th** on 40-10m (CW, SSB, FT4/8). QSL via [NN3RP](#), LoTW, eQSL, qrz.com.

-[DXNL # 2416 July 24, 2024] (0726-0823)

**YO, ROMANIA.** Special callsign **YQ6ØYODXC** celebrates the 60th anniversary of the YO DX Club **until August 31st**. A number of certificates will be available, see <https://www.qrz.com/db/YQ6ØYODXC> for the details.

-[425DXN # 1735 August 3, 2024] (0802-0830)

**Z3, NORTH MACEDONIA.** Special callsign **Z38ØASNOM** marks the 80th anniversary of the first session of the Anti-fascist Assembly of Macedonia. QRV **until August 10th**; QSL via bureau, LoTW.

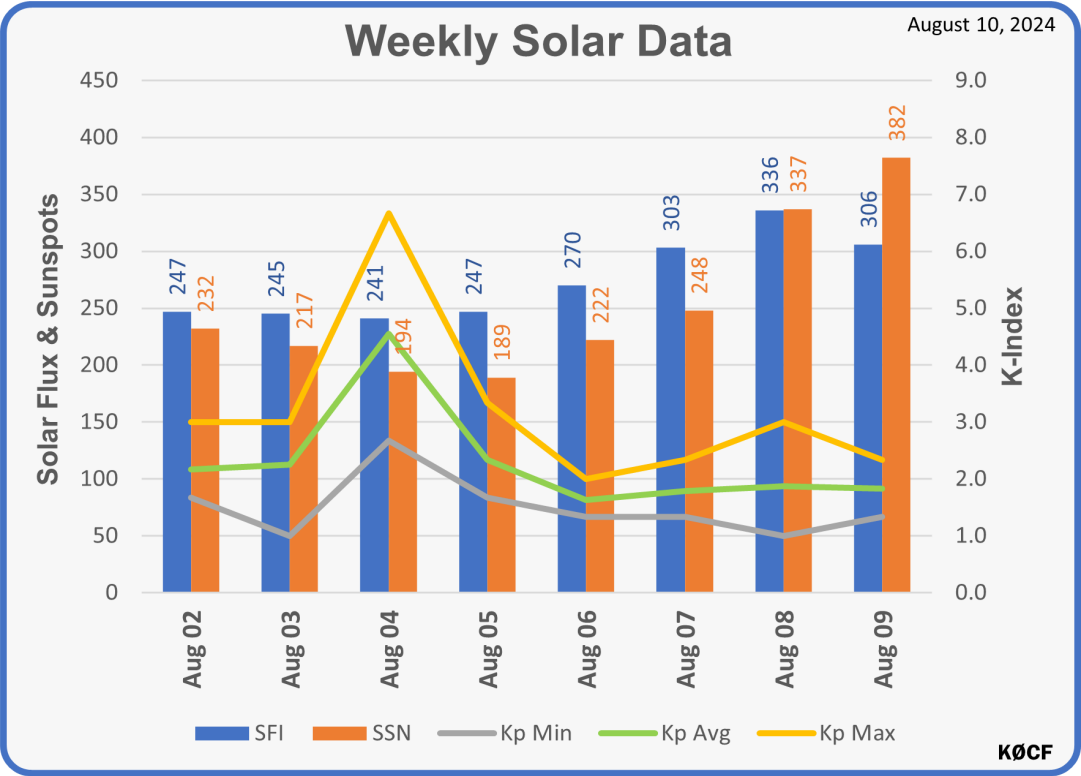
-[DXNL # 2418 August 7, 2024] (0809-0816)

**ZA, ALBANIA.** Luca, IU3MDI is QRV as **ZA/IU3MDI** from Shkoder **until August 17th**. Activity is at various times on 40 to 10 meters using CW, SSB, and FT8. QSL via [IU3MDI](#), LoTW or bureau.

-[ARRL DX Bulletin # 29 August 8, 2024] (0809-0816)

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## Propagation (Updated daily)



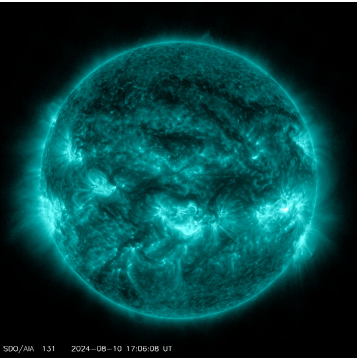
The Weekly Solar Data chart plots Solar Flux Index (SFI), Sunspot number (SSN) and Planetary K-Index (Kp) for the past 8 days. With 8 Planetary K-index readings each day, only the minimum, average and maximum K-index values are plotted. **Note:** You may click [here](#) or on the chart above to see the same data for the past month.

The Daily Solar Flux Index, Sunspot number, Planetary K-index, Solar Flux predictions and Solar Flare data used in this bulletin have been collected by KØCF from the U.S. Department of Commerce's NOAA Space Weather Prediction Center.

The propagation graphs above are the creations of KØCF and are unique in space weather reporting.

*Please Note: The graphs are high resolution .PNG files which you may view in greater detail using your browser's "zoom" feature. Alternatively, right click on the graph and select "Open Image in New Tab" to enlarge it, or "Save Image As..." to save it to your computer for further analysis.*

NASA's current view of the Sun at a wave-length of 131 Angstroms. This wavelength shows incredible solar detail.



Click [here](#) or on the image to view as a full screen 48-hour video loop. It is fascinating!

### Propagation Summary

For the 8 day period from Friday, August 2nd through yesterday, August 9th.

The average solar flux was 278, up 53 points from the previous week, with a weekly high of 336 on Thursday, August 8th, following a low of 241 on August 4th. Note that the weekly high of 336 is 66 points higher than Tuesday's 270, and 94 points higher than the previous high of 242, which stood since April of this year. In fact, a quick search of historical data shows that this was the highest solar flux reading since October 1991 – almost 33 years ago!



The average sunspot count was 256, up 27 from last week, peaking at 382 on Friday, August 9th after a weekly low of 189 on August 5th. 382 is a new high for Cycle 25.

The Planetary K-index weekly average was 3.2 with a maximum of 6.7 on Sunday, August 4th, resulting in moderate geomagnetic storm conditions. Yesterday's K-index maximum was 2.3 with generally quiet conditions.

Solar flare activity since August 3rd has been nearing historic levels with 27 major flares, the largest of which was a major X 1.7 event on Monday, August 5th.

### Propagation Data

Major solar flares, Saturday, August 3rd through 1246 UTC, August 10th.

#	Date	UTC	Mag.
1	Aug 10	0237	M 5.3
2	Aug 09	2123	M 4.5
3	Aug 08	1935	X 1.3
4	Aug 08	1343	M 1.5
5	Aug 08	1142	M 1.6
6	Aug 08	0441	M 1.3
7	Aug 08	0106	M 2.1
8	Aug 07	1854	M 5.0
9	Aug 07	1350	M 4.5
10	Aug 07	0457	M 1.1
11	Aug 07	0230	M 1.8
12	Aug 06	0303	M 1.1
13	Aug 05	1837	M 1.2
14	Aug 05	1527	X 1.1
15	Aug 05	1340	X 1.7
16	Aug 05	1001	M 1.7
17	Aug 05	0523	M 6.1
18	Aug 04	1515	M 2.2
19	Aug 04	1050	M 1.9
20	Aug 04	0159	M 1.4
21	Aug 03	1930	M 5.4
22	Aug 03	1839	M 7.3
23	Aug 03	1726	M 1.9
24	Aug 03	1654	M 2.8
25	Aug 03	1343	M 1.8
26	Aug 03	0730	M 1.9
27	Aug 03	0459	M 1.5

(NOAA's graph of recent flare activity: [GOES-X-Ray-Flux](#))

From the NOAA Space Weather Prediction Center, here are the probabilities of major solar flares and the predicted 10.7 cm Solar Flux for the next 3 days. NOAA updates this information daily.

Date	M-Flares	X-Flares	Solar Flux
Aug 10	75%	25%	300
Aug 11	75%	25%	290
Aug 12	75%	25%	280

Looking farther ahead, here is the NOAA Space Weather Prediction Center forecast of 10.7 cm radio flux and maximum Planetary K-index (Kp) for the next 12 days. This data is updated by NOAA every Monday (last updated on August 5, 2024).

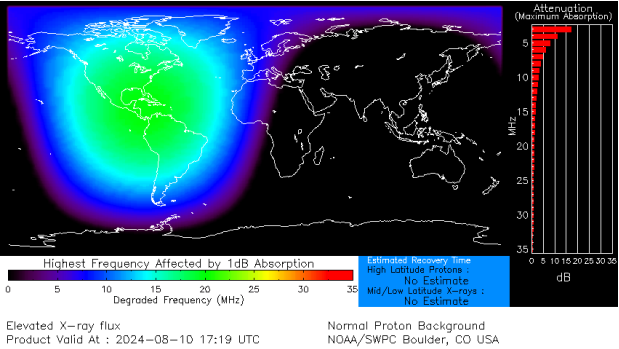
Date	Flux	Kp
Aug 10	240	2
Aug 11	240	3
Aug 12	230	2
Aug 13	225	2

Date	Flux	Kp
Aug 14	210	2
Aug 15	205	2
Aug 16	205	2
Aug 17	200	2

Date	Flux	Kp
Aug 18	185	2
Aug 19	180	2
Aug 20	180	2
Aug 21	180	2

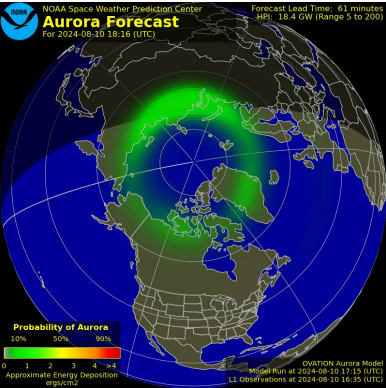
Global D Region Absorption

Conditions in the D-region of the ionosphere have a dramatic effect on HF communications. The D-Region Absorption map combines the effects of solar particles and photons. Yellow to red colors on the map depict increasing signal attenuation, where the bar chart at the right displays attenuation versus frequency. Click the thumbnail below for an animated map of D-Region Absorption:



The Aurora Borealis

The aurora is not only beautiful to see but can have a profound impact on HF and VHF radio propagation. For the HF operator, auroras can result in a complete shut-down of propagation. However, on VHF, auroras present interesting DX possibilities. Beam antennas are very desirable and should be pointed north, towards the aurora. Signals are reflected by “back-scatter” and will be distorted with a rough buzz. SSB is the best voice mode to use, but copy can be difficult. CW will have a rough buzzy sound but be perfectly copyable. Click the thumbnail below for an animated map of aurora versus time:



## Highs for Cycle 25

Solar Flux: 336 on August 8, 2024.

Sunspots: 382 on August 10, 2024.

## 300-Plus Solar Flux

Seeing a Solar Flux reading of 300 or higher catches the attention of dedicated propagation observers. So, just how rare is a solar flux over 300? Here is some historical data that I obtained from a NOAA archive of solar flux graphs. The dates and solar flux readings are approximations, resulting from visually interpreting a very small graph.

The current solar flux reading is the first 300 or greater in just under 33 years! The archive shows a flux of about 360 in October 1991.

To demonstrate just how rare this is, here is a list of all the flux peaks over 300 in the past 68 years (since November 1956) that I could find:

Date	Flux
1. October 1991	360
2. August 1990	330
3. September 1989	310
4. June 1981	335
5. October 1981	305
6. November 1969	365
7. August 1959	310
8. January 1959	340
9. March 1958	345
10. January 1958	320
11. December 1957	375
12. September 1957	330
13. February 1957	345
14. November 1956	320

-[KØCF August 8, 2024]

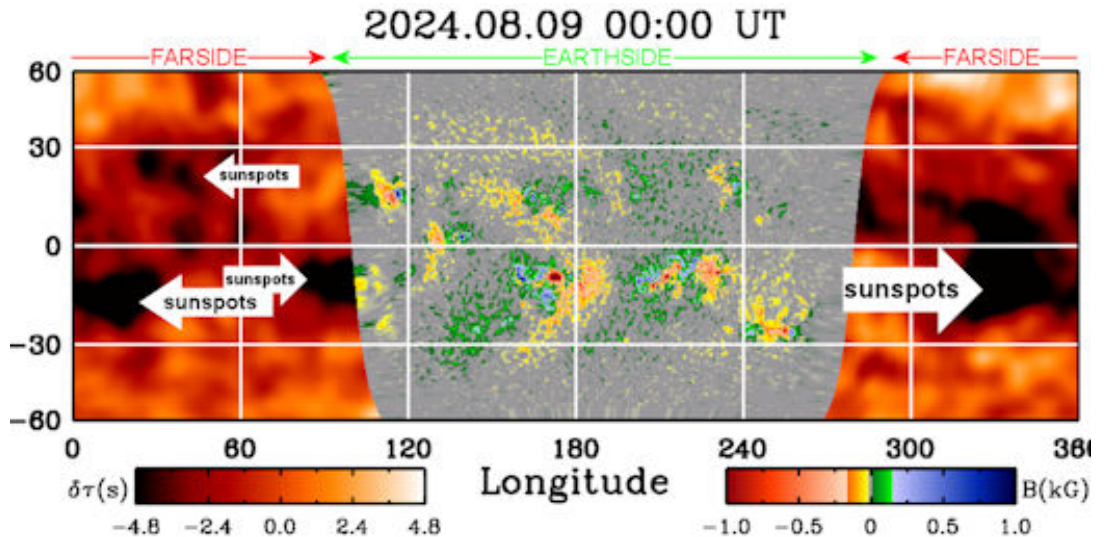
## Geomagnetic Storm Watch--Updated

Geomagnetic storms are possible for the next three days (Aug 10th-12th) in response to a series of CMEs now heading for Earth. NOAA forecasters are predicting moderate [G2](#)-class storms. Multiple impacts in quick succession could escalate the storm to category [G3](#) (Strong). During such storms mid-latitude auroras can appear in the USA and Europe.

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## Farside Sunspot Report

The Earthside of the sun just hit its [highest sunspot number](#) (299) in more than 20 years. The farside sunspot count might be even higher. Helioseismic maps of the farside of the sun reveal vast areas of potential sunspot activity:



The black blobs are sunspots so large they affect the way the whole sun vibrates. NASA's Solar

Dynamics Observatory can measure [the vibrations](#), allowing helioseismologists to pinpoint farside sunspot groups even though they are invisible from Earth. Farside activity visible in today's map is among the most widespread of Solar Cycle 25.

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**Popular Propagation web sites**

- <https://prop.kc2g.com/> (Excellent Maximum Usable Frequency map)
- NOAA <https://www.swpc.noaa.gov/>
- <https://www.spaceweather.com/>
- <https://www.solarham.com/>
- <https://dx.gsl.net/propagation/>

**A Propagation Tutorial**

The solar X-ray flux tracks solar activity and solar flares. Solar flux, which can vary from as low as 50 to as high as 300, influences the level of ionization in the F2 region of the ionosphere, providing a very good prediction of HF DX conditions. The higher the solar flux, the better conditions will be for the higher HF frequencies and even 6 meters. However, the levels need to be maintained for some days to allow ionization in the F2 layer to build up. A solar flux of 150 results in good HF band conditions, while levels of 200 and up can provide great conditions.

Large X-ray flares on the sun can increase the ionization of the D layer of the ionosphere (a lower layer) on the sunlit side of the Earth, greatly attenuating or blocking HF radio transmissions for up to a half hour. Solar flares often produce Coronal Mass Ejections (CMEs) which, if Earth directed, can lead to geomagnetic storms. Some large flares are also accompanied by strong radio bursts that may interfere with other radio frequencies and cause problems for satellite communication and radio navigation (GPS).

The Planetary K-index is a measure of the magnitude of geomagnetic storms and is an excellent indicator of disturbances in the Earth's magnetic field. A level of 1 or 2 represents quiet geomagnetic conditions; a reading of 3 or 4 may cause some propagation deterioration; 5 and 6 are minor to moderate geomagnetic storms; and 7 to 9 are strong, severe, and extreme storm conditions. Strong geomagnetic storms can trigger Auroral displays and cause HF radio blackouts. Higher geomagnetic activity also has the adverse effect of lowering maximum usable frequencies, much like lower solar flux does.

For best conditions, the solar flux should be above 150 for a few days with the K index below 2. When these conditions are met, some good DX is likely!  
-[Compiled from information on NOAA.gov and other sources]

**Contest Calendar**

**Weekly Contests**

Contest	Start UTC		End	Web Site
K1USN Slow Speed Test	Monday	0000Z	0100Z	<a href="#">Rules</a>
ICWC Medium Speed Test	Monday	1300Z	1400Z	
	Monday	1900Z	2000Z	<a href="#">Rules</a>
	Tuesday	0300Z	0400Z	
CWops Test (CWT)	Wednesday	1300Z	1400Z	<a href="#">Rules</a>
	Wednesday	1900Z	2000Z	
	Thursday	0300Z	0400Z	

	Thursday	0700Z	0800Z	
Weekly RTTY Test	Friday	0145Z	0215Z	<a href="#">Rules</a>
NCCC CW Sprint (NS)	Friday	0230Z	0300Z	<a href="#">Rules</a>

Note: Start Days are in UTC, e.g. Monday at 0000 UTC is Sunday at 7:00 PM in the Central Daylight Saving Time zone, or Sunday at 6:00 PM in the Central Standard Time zone.

## Full Calendar

Contest	Start		End		Web Site
<b>WAE DX Contest, CW</b>	Aug 10	0000Z	Aug 11	2359Z	<a href="#">Rules</a>
Maryland-DC QSO Party	Aug 10	1400Z	Aug 11	0400Z	<a href="#">Rules</a>
<b>North American QSO Party, SSB</b>	Aug 17	1800Z	Aug 18	0600Z	<a href="#">Rules</a>
ARRL Rookie Roundup, RTTY	Aug 18	1800Z	Aug 18	2359Z	<a href="#">Rules</a>
Hawaii QSO Party	Aug 24	0400Z	Aug 26	0400Z	<a href="#">Rules</a>
World Wide Digi DX Contest	Aug 24	1200Z	Aug 25	1200Z	<a href="#">Rules</a>
YO DX HF Contest	Aug 24	1200Z	Aug 25	1200Z	<a href="#">Rules</a>
Kansas QSO Party	Aug 24	1400Z	Aug 25	2000Z	<a href="#">Rules</a>
Ohio QSO Party	Aug 24	1600Z	Aug 25	0400Z	<a href="#">Rules</a>
UK/EI DX Contest, SSB	Aug 31	1200Z	Sep 1	1200Z	<a href="#">Rules</a>
Tennessee QSO Party	Sep 1	1700Z	Sep 2	0300Z	<a href="#">Rules</a>
CWops CW Open	Sep 7	0000Z	Sep 7	2359Z	<a href="#">Rules</a>
North American Sprint, CW	Sep 8	0000Z	Sep 8	0400Z	<a href="#">Rules</a>
<b>WAE DX Contest, SSB</b>	Sep 14	0000Z	Sep 15	2359Z	<a href="#">Rules</a>
ARRL September VHF Contest	Sep 14	1800Z	Sep 16	0300Z	<a href="#">Rules</a>
North American Sprint, RTTY	Sep 15	0000Z	Sep 15	0400Z	<a href="#">Rules</a>
Scandinavian Activity Contest, CW	Sep 21	1200Z	Sep 22	1200Z	<a href="#">Rules</a>
<b>Iowa QSO Party</b>	Sep 21	1400Z	Sep 22	0200Z	<a href="#">Rules</a>
Texas QSO Party	Sep 21	1400Z	Sep 22	0200Z	<a href="#">Rules</a>
	Sep 22	1400Z	Sep 22	2000Z	
Wisconsin Parks on the Air	Sep 21	1600Z	Sep 21	2300Z	<a href="#">Rules</a>
New Jersey QSO Party	Sep 21	1600Z	Sep 22	0359Z	<a href="#">Rules</a>
New Hampshire QSO Party	Sep 21	1600Z	Sep 21	2200Z	<a href="#">Rules</a>
	Sep 22	1600Z	Sep 22	2200Z	
Washington State Salmon Run	Sep 21	1600Z	Sep 22	0700Z	<a href="#">Rules</a>
	Sep 22	1600Z	Sep 22	2400Z	
<b>CQ Worldwide DX Contest, RTTY</b>	Sep 28	0000Z	Sep 29	2400Z	<a href="#">Rules</a>
Maine QSO Party	Sep 28	1200Z	Sep 29	1200Z	<a href="#">Rules</a>
Oceania DX Contest, Phone	Oct 5	0600Z	Oct 6	0600Z	<a href="#">Rules</a>
California QSO Party	Oct 5	1600Z	Oct 6	2200Z	<a href="#">Rules</a>
Makrothen RTTY Contest	Oct 12	0000Z	Oct 13	1559Z	<a href="#">Rules</a>
Nevada QSO Party	Oct 12	0300Z	Oct 13	2100Z	<a href="#">Rules</a>



Oceania DX Contest, CW	Oct 12	0600Z	Oct 13	0600Z	<a href="#">Rules</a>
Scandinavian Activity Contest, SSB	Oct 12	1200Z	Oct 13	1200Z	<a href="#">Rules</a>
Arizona QSO Party	Oct 12	1500Z	Oct 13	0500Z	<a href="#">Rules</a>
Pennsylvania QSO Party	Oct 12	1600Z	Oct 13	0400Z	<a href="#">Rules</a>
	Oct 13	1300Z	Oct 13	2200Z	
South Dakota QSO Party	Oct 12	1800Z	Oct 13	1800Z	<a href="#">Rules</a>
10-10 Int. Fall Contest, CW	Oct 19	0001Z	Oct 20	2359Z	<a href="#">Rules</a>
New York QSO Party	Oct 19	1400Z	Oct 20	0200Z	<a href="#">Rules</a>
Stew Perry Topband Challenge	Oct 19	1500Z	Oct 20	1500Z	<a href="#">Rules</a>
Illinois QSO Party	Oct 20	1700Z	Oct 21	0100Z	<a href="#">Rules</a>
ARRL School Club Roundup	Oct 21	1300Z	Oct 25	2359Z	<a href="#">Rules</a>
<b>CQ Worldwide DX Contest, SSB</b>	Oct 26	0000Z	Oct 27	2400Z	<a href="#">Rules</a>
Ukrainian DX Contest	Nov 2	1200Z	Nov 3	1200Z	<a href="#">Rules</a>
<b>ARRL Sweepstakes Contest, CW</b>	Nov 2	2100Z	Nov 4	0300Z	<a href="#">Rules</a>

-[Contest data courtesy of the [WA7BNM Contest Calendar](#) ]